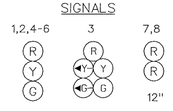
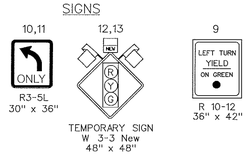
FHWA REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

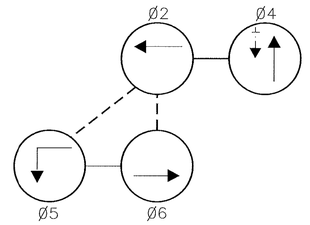
SIGNALS



SIGNS



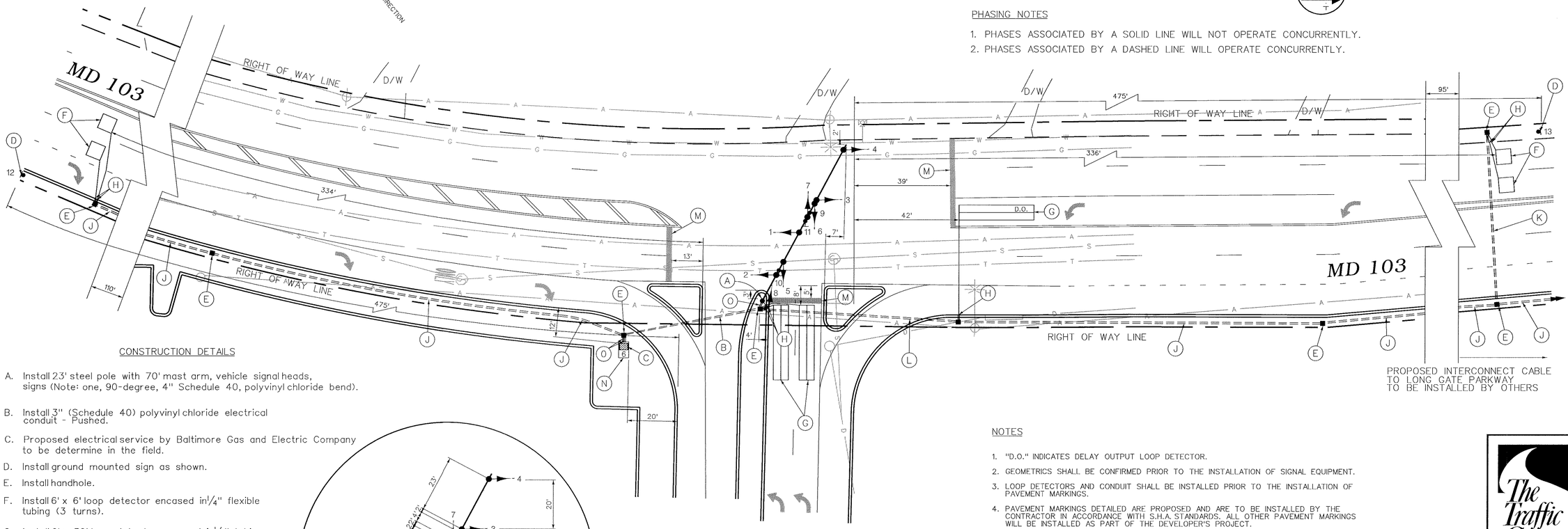
NEMA PHASING



FLASHING OPERATION

PHASING NOTES

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. Install 23' steel pole with 70' mast arm, vehicle signal heads, signs (Note: one, 90-degree, 4" Schedule 40, polyvinyl chloride bend).

B. Install 3" (Schedule 40) polyvinyl chloride electrical conduit - Pushed.

C. Proposed electrical service by Baltimore Gas and Electric Company to be determine in the field.

D. Install ground mounted sign as shown.

E. Install handhole.

F. Install 6' x 6' loop detector encased in 1/4" flexible tubing (3 turns).

G. Install 6' x 30' loop detector encased in 1/4" tubing, quadrupole type (2-4-2 turns).

H. Install 1" flexible, non-metallic, electrical conduit for detector lead-in.

J. Install 2" (Schedule 40) polyvinyl chloride electrical conduit-trenched.

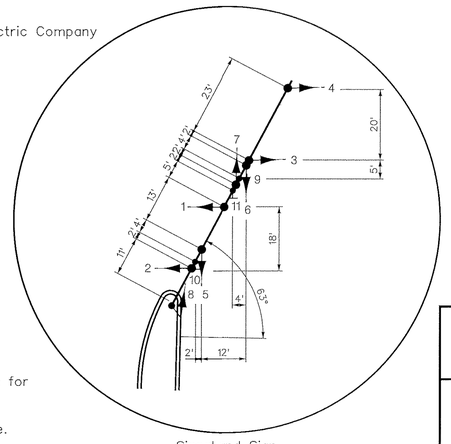
K. Install 2" (Schedule 80) polyvinyl chloride electrical conduit - slotted.

L. Install 2" (Schedule 80) polyvinyl chloride electrical conduit - pushed.

M. Install preformed pavement markings - white, 24" wide for stop line.

N. Install NEMA size 6 base mounted controller with all necessary equipment for underground electrical service.

O. Install 4" (Schedule 40) polyvinyl chloride electrical conduit - trenched



Signal and Sign Mounting Detail

Long Gate Center Entrance

NOTES

1. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS. ALL OTHER PAVEMENT MARKINGS WILL BE INSTALLED AS PART OF THE DEVELOPER'S PROJECT.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

The Traffic Group

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Job. No. 95116
SIGPLAN.DGN

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES

REVISIONS

APPROVALS

ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION — 8/20/96

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 8/15/96

ASST. DISTRICT ENGINEER - TRAFFIC — 8/13/96

DIRECTOR, OFFICE OF TRAFFIC & SAFETY — 8/13/96

MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: M.A. Mears
DES. BY: M.A. Mears
CHK. BY: Bruce Thompson 8-9-96

(Traffic Signal Plan)
MD 103 at Long Gate Center Entrance

COUNTY: HOWARD
LOG MILE * 130103005.64

DATE: August 5,1996
SCALE: 1" = 20'

F.A.P. NO. N/A
S.H.A. NO. BW907M81

TS/STD. NO. 3604

SHEET NO. 1 of 2